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**EXERCISE DESERT ROCK LAS VEGAS NV**

F/O 10/3

EXERCISE DESERT ROCK VII AND VIII, OPERATION ORDER NUMBER 6. AR--ETC(U)  
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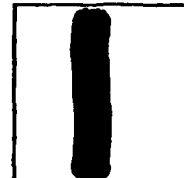
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INVENTORY

HQ Exercise DESERT ROCK VII  
CAMP DESERT ROCK, Nevada  
Operation Order 6

June 1957

DOCUMENT IDENTIFICATION

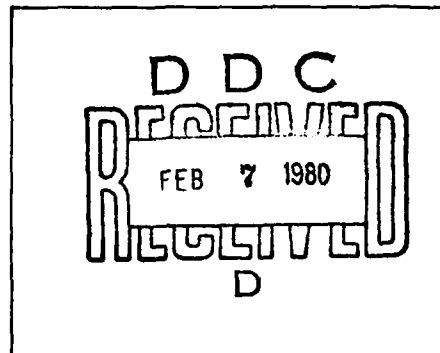
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Army. Camp Desert Rock. Nevada

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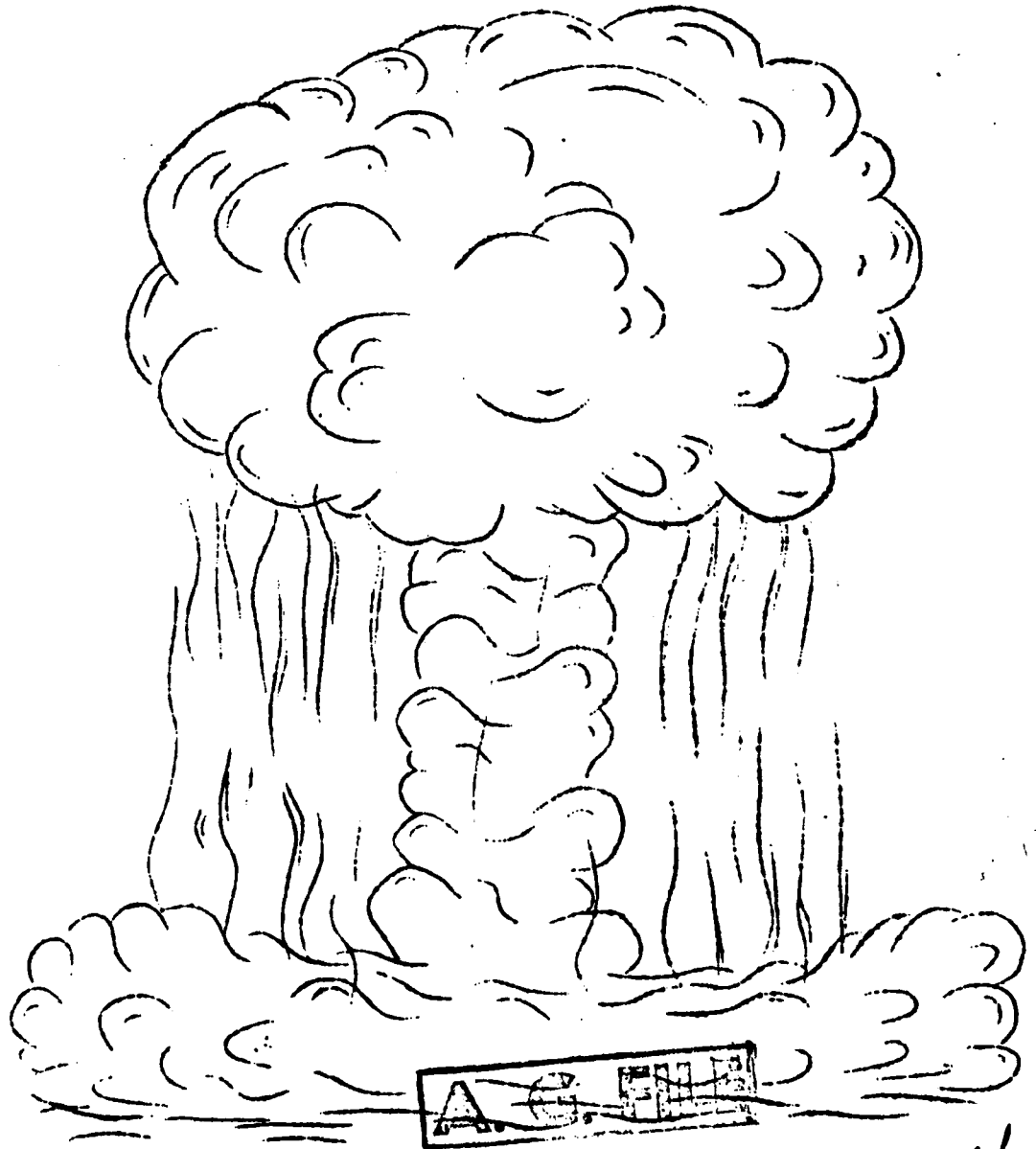
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147 AMEDR. 53  
554.15 Hq LDR  
11 July 67

# OPERATION ORDER

NO. 6

## Desert Rock VII & VIII



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147 AMEDR. 53  
554.15 Hq LDR  
11 July 67  
DR-C-252-5

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(No change from oral orders)

Copy \_\_\_\_\_ of \_\_\_\_\_ Copies  
Hq, Exercise Desert Rock VII  
CAMP DESERT ROCK (872536), NEVADA  
231000 June 1957

Operation Order 6

Map: NEVADA, 1:50,000, TIPPIPAH SPRING, CANE SPRINGS, SPECTOR RANGE, PAPOOSE LAKE, FRENCHMAN LAKE, and MERCURY Sheets.

Time Zone: Pacific Daylight Time

Task Organization: Annex A, Task Organization.

1. SITUATION.--The Atomic Energy Commission detonates an atomic device (DIABLO) at H-hour on D-day which will be observed by approximately 400 observers. After the shot personnel will monitor in the ground-zero area, Signal and Artillery radar sets will be operated, and Artillery Troop Test will be conducted.

2. MISSION.--Hq, Exercise Desert Rock VII, supervises and coordinates Desert Rock Army, Navy, and Air Force participation in shot DIABLO in the YUCCA FLAT area in the NEVADA TEST SITE commencing at H-hour on D-day to:

a. Indoctrinate selected observers in effects of atomic weapons (Project personnel and selected personnel from CAMP DESERT ROCK).

b. Track the movement of radioactive clouds, determine the height of the clouds, and investigate the feasibility of special and standardized Army radar equipment for such use (Project 50.3).

c. Determine the organization, equipment, and weather data required by US Army units to predict and monitor radiological fallout (Project 50.8).

d. Conduct monitoring exercises to train passive-defense personnel in radiological defense (Project 53.4).

3. EXECUTION.

a. Concept of operation.--Personnel from the 4th Marine Corps Provisional Atomic Exercise Brigade, Camp Desert Rock and Projects 53.4 and 50.2 will observe shot DIABLO from trenches and another observation area located in YUCCA FLAT (Annex B, Opn Overlay). Shortly after the shot, Desert Rock rad-safe personnel will monitor and mark the Marine loading zone and the Marine equipment-display area. Upon announcement of R-hour, Marine personnel accompanied by press observers participating in Marine Field Exercise DIABLO will move from the trench area to the Marine Loading Zone and comply with 4th MCPAEB Opn Plan 1-57. Observers not participating in the Marine Exercise will move on order to the equipment-display area to observe the effects of the detonation. Project 50.3 will track the radioactive cloud from approved radar site. Project 50.8 will operate various radar sites, sound and flash sites, meteorological stations, and observation posts to achieve test objectives. Project 53.4 for conduct monitoring exercises in the ground-zero area under supervision of Desert Rock rad-safety personnel.

b. 50th Chemical Flt.--Provide rad-safety support as required. Annex C, Rad-Safety Plan.

c. Co B, 84th Engr Bn (Reinf).--Provide Engineer support as required.

ENTIRE OPN O MAY BE DOWNGRADED  
TO FOR OFFICIAL USE ONLY UPON  
COMPLETION OF SHOT DIABLO

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161 354.15 Hq EBR only  
11 July 57

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*Along road  
for 354.15 Hg COR 11  
11 July 58*

Operation Order 6, Cont'd

d. Unit, 3rd Field Hosp.---Provide medical support as required. Annex D, Medical.

e. 2931 AP Co. (-)---Provide traffic control as required. Annex E, Provost Marshal.

f. 526th Ord Co (M) (-)---Provide Ordnance support as required.

g. 232d Signal Co.---Provide Signal support as required. Annex F, Signal.

h. 26th TP Bn.---Provide transportation support as required. Annex G, Transportation.

i. Project 50.3---Operate radar equipment (1-MPG-1, 1-CPS-9, 1-TPS-1D, and 1-APQ-13) as per per 2b above from approved site in the vicinity of coordinates 893872; only equipment approved during power dry run will be operated; all other equipment will be completely secured.

j. Project 53.4---Move tactical vehicles (10) to Desert Rock Decontamination Station (coordinates 348838) with Desert Rock rad-safe vehicles (7) on D-1; move personnel to observer area with other observers (Annex G, Transportation); observe shot; after H-hour and when ordered to do so move along assigned route (Annex B, Opn Overlay) to Marine Equipment-display area; conduct monitoring exercises.

k. Project 50.8---Emplace and operate radar equipment, sound and flash equipment, meteorological stations, and observation posts from approved sites to determine the organization, equipment, and weather data required by US Army units to arrive at yield and to predict and monitor radiological fallout; only signal equipment approved during power dry run will be operated; all other equipment will be completely secured. Annex H, Project 50.8 Locations.

(1) B-26 aircraft based at GEORGE AFB will be airborne H-30 minutes vicinity NTS and fly a race-track course 15 miles N of GZ at an altitude of 15,000 ft using approved radio channels 7 and 10; after shot pilot will fly so as to place the radioactive cloud between the plane and the radar set at Project 50.8 site C-10 so as to test the attenuation of NIKE missile control signals when operating in or beyond an atomic cloud (NIKE missile will not be used).

(2) Air and ground radiological survey will be conducted to determine the actual fallout pattern up to the 5 r/hr line for ground and 100 r/hr line for air; four helicopters will be positioned at the Desert Rock Decontamination Station (coordinates 848388) on D-1 day and will operate from that site, flying at an altitude of two hundred ft, after clearing each flight with the ACC at CP-1 by radio; three 1/4-ton trucks will be positioned prior to D-day at Project 50.8 site C-2; survey will start at H+30 minutes and both 1/4-ton trucks and helicopters will take readings at specified checkpoints, transmitting such readings by radio to the control point located at site C-2. Flight boundaries Annex B, Opn Overlay

l. Desert Rock Aviation Section---Provide two L-20 aircraft on ground alert at the Desert Rock air strip for air evacuation of casualties to the Nellis Air Force Base Hospital. Annex D, Medical.

m. Coordinating Instructions.

(1) H-hour is 0400 hours. Because of nature of device all personnel in vicinity of DIABLO trenches will be in trenches not later than H-2 hours.

(2) No lights except flash lights will be used in the DIABLO trench area after H-2 hours.

(3) Unit commanders will insure that all Desert Rock personnel have film badges.

(4) All personnel will be familiar with provisions of the Rad-Safe Program.

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Operation Order 6, t'd.

112 354.1. My CDR 11 Feb 57

(5) All selected observers will possess at least a valid CONFIDENTIAL security clearance. Security rosters by vehicle will be prepared by S-3 (and certified by S-2 or his representative) for presentation to the MERCURY Security Office prior to the scheduled movement. Badged vehicle escort officers will be selected for each vehicle in the movement. Escort officers will load assigned vehicles by roster, red-lining the names of those personnel not present at the entrucking formation. One of two copies of the corrected roster will be handed to a DOD security representative prior to departure from CAMP DESERT ROCK. Upon return after the shot, the second copy will be signed by the escort officer and turned in to the S-3 office for file. Personnel will go and return in same vehicle.

(6) Vehicle escort officers will maintain absolute control of their groups from the time vehicles are first loaded until they are returned to CAMP DESERT ROCK.

(7) All personnel will be cautioned not to pick up any items in the ground-zero area. Although innocent in appearance these items may be radioactive.

(8) Radio silence will be maintained and all gasoline engines turned off from shot-time minus 15 minutes until shot-time plus 5 minutes, during which time all radio stations will continue to monitor their nets on battery-powered radio silence. Only messages that justify delay of shot will be transmitted during this period.

(9) Evacuation in case of emergency will be made direct to CAMP DESERT ROCK. Annex I, Evacuation Plan.

(10) Any damage inflicted on experimental equipment in the test site will be reported to the Control Group Commander immediately.

#### 4. ADMINISTRATION AND LOGISTICS.

##### a. Administration.

- (1) Current administrative instructions apply.
- (2) Uniform and equipment.

|   |                               |
|---|-------------------------------|
| Fatigues  | Pistol belt                   |
| Combat boots  | Canteens w/cup and cover      |
| Field Jackets (if required)                           | First-aid packet and pouch    |
| Helmet w/liner  | Special equipment as required |
| Gas mask or dust respirator for personnel in trenches |                               |

- (3) Hot coffee will be served in CAMP DESERT ROCK prior to entrucking.

##### b. Logistics.

(1) Medical.—Aid station will be established at trench area (coordinates 207076). Annex D, Medical.

(2) Chemical.—Decontamination station will be established at coordinates 848888.

##### (3) Transportation.

(a) List of required vehicles and drivers' names will be furnished to S-3 by the Transportation Officer. S-3 will prepare observer rosters for convoy.

(b) Vehicles will be marked on the right-front windshield with a number system, ie, A-1, A-2, etc.

(c) Each march unit will contain one empty vehicle to transport personnel in case of breakdown.

(d) Two wreckers will be located at the rear of the fifth march unit. Vehicles which break down during the movement to the observer area will be pushed to the side of the road and left until the return trip. At that time the wreckers will tow these vehicles back to CAMP DESERT ROCK.

112 354.1. My CDR 11 Feb 57

Operation Order 6, Cont'd.

DR 3:4.15 JHq CDR 11 Jul 57

(e) Traffic restrictions preclude use of the MERCURY Highway subsequent to 0200 hours on D-day. The last vehicle of the last convoy will clear the MERCURY Highway and close in the vehicle parking area by 0136 hours on D-day.

5. COMMAND AND SIGNAL.

a. Annex F, Signal.

b. Commanding General or his representative will be located at CP-1. Forward CP, Exercise Desert Rock VII, will open in the trench area at H-3 hours.

JENSEN  
Brig Gen

Annexes: A--Task Organization

B--Opn Overlay

C--Rad-Safety Plan

Appendixes: 1--Radiological Recon  
2--Rad-Safe Control Net

D--Medical

E--Provost Marshal

F--Signal

Appendixes: 1--avalanche Net  
2--Hilltop Net  
3--Wire Circuits Forward  
4--Wire Circuits Rear

G--Transportation

Appendixes: 1--Convoy Organization  
2--March Tables

H--Project 50.8 Locations

I--Evacuation Plan

J--Distribution List

Distribution: Special

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S-3

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*DR 3:4.15 JHq CDR 11 Jul 57*



*for 954.15 Hq CDR Only*  
Hq, Exercise Desert Rock VII 11 JUL 57  
CAMP DESERT ROCK (872536), NEVADA  
231000 June 1957

Annex A (Task Organization) to Operation Order 6

Map: NEVADA, 1:50,000, TIPPIPAH SPRING, CAME SPRINGS, SPECTOR RANGE, PAPOOSE LAKE, FRENCHMAN LAKE, and MERCURY Sheets.

HQ, EXERCISE DESERT ROCK VII

Deputy Exercise Director - - - - - Brig Gen W. A. Jensen  
Executive Officer - - - - - Col C. H. Dunning  
Control Group Commander - - - - - Lt Col F. W. Townsley  
US Army Garrison, CAMP DESERT ROCK (6019-03)

SUPPORT TROOPS

50th Chemical Platoon  
Co B, 84th Engr Bn (Reinf)  
Unit, 8th Field Hosp  
293d MP Co (-)  
526th Ord Co (HAM) (-1 Plat)  
656th QM Petrol Supply Co (-)  
Det, 53d QM Subsistence Supply Co  
Det, 163d QM Laundry Co  
232d Signal Co  
Signal Supply Team (KA)  
Signal Maintenance Teams (GK and RD)  
Signal Pictorial Teams (AB, FC, FH, and FF)  
Signal Photo Dosimetry Team  
26th TC Bn  
Hq & Hq Co  
2d TC Truck Co (Pet)  
38th TC Co (Hv)  
351st TC Co (Med)  
TC Provisional Aircraft Maint Det

EXERCISE TROOPS

4th Marine Corps Provisional Atomic Exercise Brigade

DESERT ROCK PROJECTS

Project 50.2, US Army and AFSWP Observers  
Project 50.3, Evaluation Medium Range Detonation and Cloud Tracking System  
Project 50.8, Troop Test of Atomic Burst Equipment  
Project 52.1, Marine Brigade Exercise  
Project 53.3, ADC Air Crew Observers  
Project 53.4, Radiological Defense Training

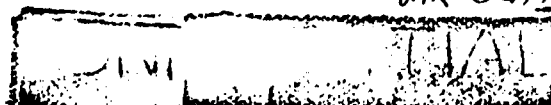
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10 JUL 57*



334.15 Hg CDR  
11 J. 6 8-7  
Precise Desert Rock VII  
CAMP DESERT ROCK (872536), NEVADA  
231000 June 1957

Annex C (Rad-Safety Plan) to Opn O 6

Map: NEVADA, 1:50,000, TIPPICAH SPRING, CANE SPRINGS, SPECTOR RANGE, PAPOOSE LAKE, FRENCHMAN LAKE, and MERCURY Sheets.

1. SITUATION.—See Opn O 6.

2. MISSION.—To provide radiological safety for operations conducted in the areas assigned and on the routes thereto to include organization, personnel, equipment, dosimetry, field decontamination, and operating procedures and restrictions for all participants based on criteria established by the Department of Defense and the Test Director.

3. EXECUTION.

a. Survey of observation area.—50th Cnl Plat (Svc) provides two (2) motorized, radio-equipped RAD-SAFE monitor teams to monitor the area and to assist in the emergency evacuation of the area should it be required.

b. Survey of trench areas.—(1)—Marine monitor units will provide monitor teams to monitor the area and to assist in the emergency evacuation of the area should it be required.

(2) After detonation of the atomic device and upon order of the Rad-Safety Officer, one (1) motorized RAD-SAFE monitor team will locate and mark the 5 r/hr line with red cones for the troop march column which will advance toward ground zero from the trench area. Appendix 1, Radiological Recon.

c. Survey of assigned equipment-display area.

(1) 50th Cnl Plat (Svc) provides one (1) motorized, radio-equipped RAD-SAFE monitor team and the Marine monitor units provide two (2) motorized, radio-equipped monitor teams.

(2) After detonation of the atomic device and upon order of the Rad-Safety Officer, one (1) RAD-SAFE monitor team and one (1) Marine monitor team will proceed forward from the vehicle rovetment in the trench area and monitor the display area.

(3) RAD-SAFE monitor team will monitor the display area boundary road and mark the 5 r/hr line with red, metal fabricated cones. After the RAD-SAFE monitor team has marked the 5 r/hr line and withdrawn, the Marine monitor team will monitor the display area and mark the 500 mr/hr, 1 r/hr 2 r/hr and 3 r/hr lines with yellow cones having black spots. A contamination marker will be used with each cone to indicate the dose-rate to observer and troop personnel.

(4) RAD-SAFE teams will notify the Rad-Safety Officer of their survey data as it is determined.

(5) Observer participants will be transported from observer area to the display area after the Test Director has announced R-hour and after the Rad-Safety Officer has evaluated the preliminary survey conducted by the RAD-SAFE monitors.

(6) Troop participants will be transported from the maneuver area to the display area upon conclusion of their field problem.

d. Monitor exercises.

(1) Marine monitor teams will be released at the trench area after the RAD-SAFE preliminary survey.

(2) Marine monitor teams will conduct a survey of the display sector after observer personnel have been conducted through the display area. Teams will monitor equipment and establish predetermined dose-rates (not to exceed 5 r/hr) situation permitting. Survey readings will be taken at a control point established outside the 20 mr/hr line. A RAD-SAFE representative will be located at the control point to enforce established safety criteria and to provide technical assistance when required.

(3) Prior to 08.4 monitor teams will be released from the 50th Cml Plat (Svc) Decontamination Station and guided to Area 2b by a RAD-SAFE representative after the Marines have completed their exercise and monitor operations. Area to be used for monitoring will be coordinated with the DCD Desert Rock Liaison Officer of DCD.

e. Dosimetry.--See Memo Nr 8, this headquarters.

f. Personnel monitoring and field decontamination.

(1) All vehicles and personnel entering the trench and equipment display area after shot time, will be monitored prior to return to camp. Marine monitors with RAD-SAFE representative are responsible for monitoring Marine personnel and vehicles. 50th Cml Plat (Svc) will monitor official observers. For procedures, see Memo Nr 9, this headquarters.

(2) 50th Cml Plat (Svc) provides one (1) motorized, radio-equipped monitor team for supervision of Marine monitors at Yucca Air Strip. All fixed and Rotary Winged Aircraft used during the exercise will land at the Yucca Air Strip and be monitored for decontamination prior to returning to Camp Desert Rock. Those requiring decontamination will be processed as outlined in Memo Nr 9, this headquarters.

g. Coordinating instructions.

(1) All personnel in the trench area will enter trenches at H-15 minutes on order of the Control Group Commander. When given the command to crouch down, individuals will face to the right, crouch down, close and cover their eyes with one arm and remain in this position until the shock wave has passed. Individuals will have trousers tucked securely in boot tops; sleeves and collars will be buttoned to keep out the dust.

(2) Observers not in trench area and who do not have density goggles of 4.2 or greater density, will close and cover their eyes with their arms and face away (180 degrees) for the detonation point when ordered to do so until detonation time plus five (5) seconds.

(3) Protective field masks or dust respirators are required for all personnel in the trench area and will be donned if breathing becomes difficult due to excessive dust or if ordered to do so. All personnel will fit and test their protective field masks before going to the forward area.

(4) When personnel are in the equipment display area, they will obey instructions on movement through the area and will abstain from touching demonstration equipment or picking up or retaining any object for a souvenir.

(5) Safety regulations published in Memo Nr 10, this headquarters, will be complied with by all personnel assigned or attached to CAMP DESERT ROCK for participation in this test shot exercise.

(6) Drivers trained as monitors will draw the necessary radiac instrument and act as the personnel and vehicle monitor for his vehicle.

(7) Personnel vehicles will not enter areas with intensities of 20 mr/hr or greater.

(8) All personnel will evacuate the equipment display area and return to their transportation if at any time they see red smoke.

(9) RAD-SAFE personnel will be identified by a two-inch band of white Engineer tape mounted around their field caps. *Revised 11/20/57*

(10) All RAD-SAFE monitor teams will operate from vehicles.

(11) All radiological survey data will be turned into the Rad-Safety Officer in Bldg T-112, CAMP DESERT ROCK, upon completion of the test shot exercise.

(12) All radios and gasoline engines will be turned off fifteen (15) minutes prior to shot time and will remain out of service until five(5) minutes after the detonation.

#### 4. ADMINISTRATION AND LOGISTICS.

a. RAD-SAFE monitor teams will consist of one driver and one monitor, both trained as radio operators.

b. Two (2) RAD-SAFE radio-equipped vehicles with driver to act as RAD-SAFE representative will be furnished to the Marines for the use in surveying troop march column route and the equipment-display area.

c. Six (6) 1/4-ton monitor vehicles and necessary equipment will be moved from the Decontamination Station to the trench area late on D-1 day and placed in assigned revetment. Two (2) of these vehicles will fall in behind the Army serial when it passes and will remain in the Army administrative vehicle park at the observation area in vicinity of (767049).

d. Project 53.4 vehicles and equipment will be parked at the Decontamination Station the afternoon of D-1 day.

e. Pocket chamber dosimeters will be issued on the following basis:

(1) One (1) per VIP.

(2) One (1) per monitor team.

f. Radiac survey meters will be issued on the following basis:

(1) IM-123 (XE-1). One (1) per RAD-SAFE monitor team.

(2) AN/PDR-TIB.

(a) Two (2) per RAD-SAFE monitor team.

(b) One (1) per Personnel & Vehicle Monitor.

g. Minimum equipment list for RAD-SAFE monitor teams is as follows:

| <u>ITEM</u>                  | <u>QUANTITY</u> |
|------------------------------|-----------------|
| 1/4-ton truck w/radio        | 1               |
| IM-123 (XE-1)                | 1               |
| AN/PDR-TIB                   | 2               |
| Red                          | 10              |
| Cones: Yellow-Black          | 5               |
| Yellow                       | 4               |
| Engineer tape (white)        | As required     |
| Grease pencil (dark color)   | 1               |
| Compass                      | 1               |
| Flashlight                   | 1               |
| Contamination Markers, Blank | 5               |
| Grenade, Smoke, Red, M-18    | 2               |

Annex C (Rad-Safety Plan) to Cpn 06, Cont'd.

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*Ltr 354.15 Hq CDR 11 Jul*

h. Uniform as prescribed.

**5. COMMAND AND SIGNAL.**

- a. Rad-Safety Officer will be located at the Marine Command trench.
- b. See Appendix 2 for radio call signs, frequencies, and RAD-SAFE Control Net.

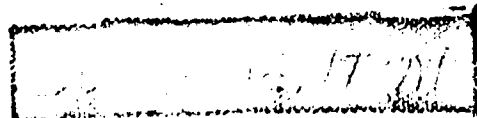
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Brig Gen

Appendixes: 1--Rad-Safe Control Net

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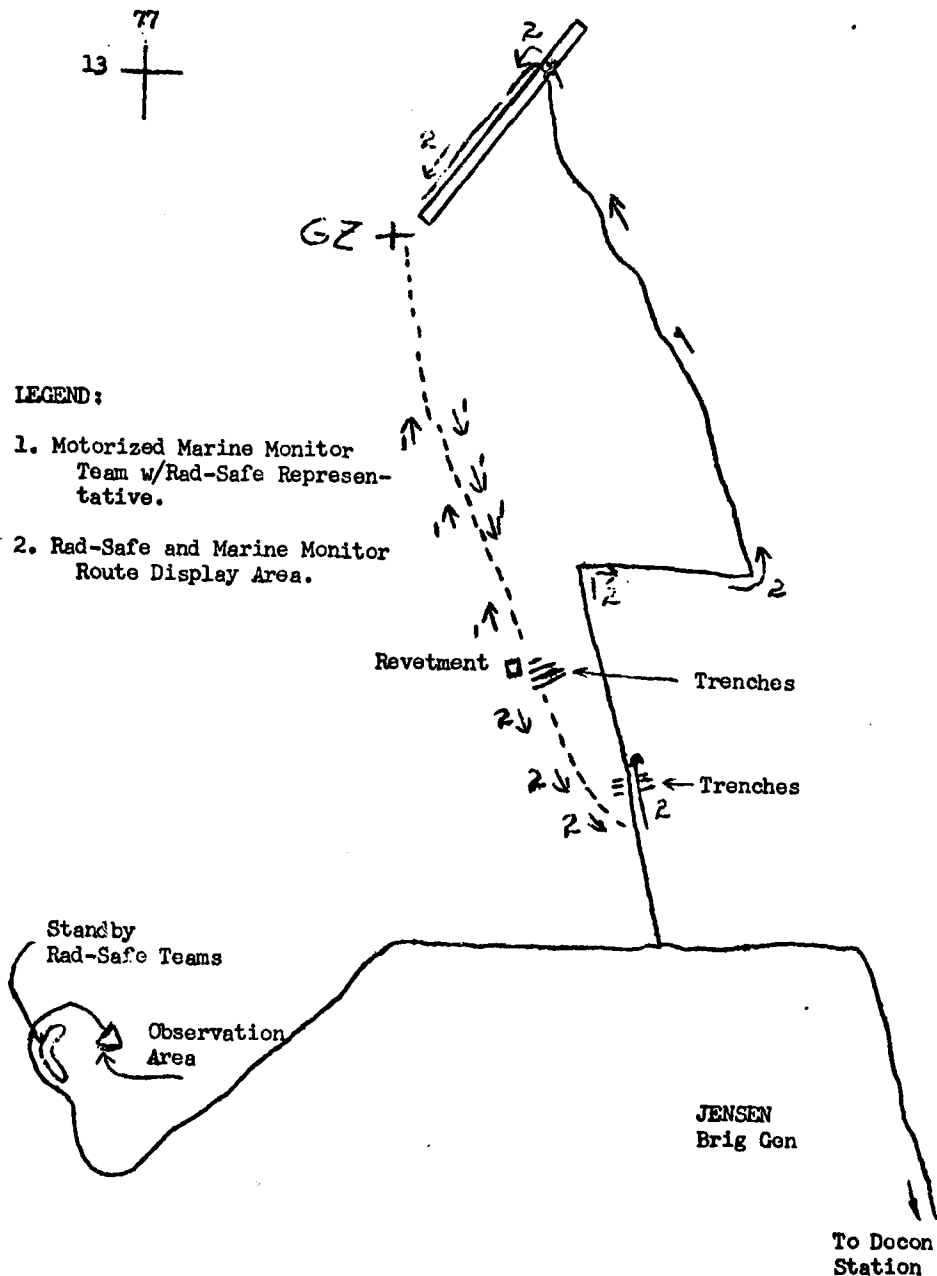


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*11 July 57*

Hq, Exercise Desert Rock/VII  
CAMP DESERT ROCK (872536), NEVADA  
241000 June 1957

NR 354.15 Hq CNR  
11 July 57

Appendix 1 (Radiological Recon) to Annex C (Rad-Safety Plan) to Opn 0 6  
Map: NEVADA, 1:50,000, Tippipah Spring Sheet.



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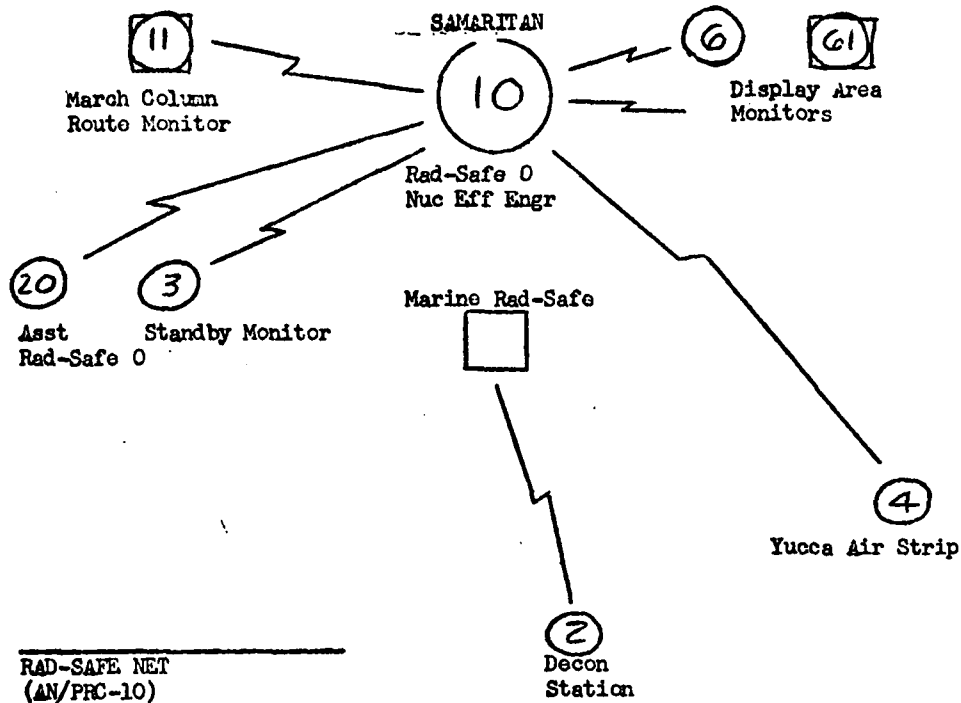
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Hq, Exercise Desert Rock VII *TR 354.15*  
 CAMPDESERT ROCK (872536), NEVADA *49 CDR 111*  
 241000 June 1957 *JUL 57*

Appendix 2 (Rad-Safe Control Net) to Annex C (Rad-Safety Plan) to Opn 0 6

Map: NEVADA, 1:50,000 TIPPIPAH SPRING Sheet.



RAD-SAFE NET  
 (AN/PRC-10)  
 51.3 MC

MARINE RAD-SAFE NET  
 (AN/PRC-10)  
 49.9 MC 8 53.3 MC

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*11 Jul 57*

HR 35415 (Hwy 61R) 11 July 57  
Hq, Exercise Desert Rock VII  
CAMP DESERT ROCK (872536), NEVADA  
241000 June 1957

Annex D (Medical) to Opn 06

Map: NEVADA, 1:50,000, TIPPIPAH SPRING, CANE SPRINGS, SPECTOR RANGE, PAPOOSE LAKE, FRENCHMAN LAKE, and MERCURY Sheets.

1. SITUATION.—Opn 0 6.
2. MISSION.—To provide field medical support and evacuation of CAMP DESERT ROCK personnel, observers, and project personnel.
3. EXECUTION.—a. One (1) ambulance, equipped with radio, will be included in each of the five (5) march units during the movement to the trench area. After the observers are unloaded, ambulances will move with march units to the designated parking area and remain in that location on call. One ambulance will be reverted near CP.
  - b. Aid station will be established in the center of trench No. 3, near road.
  - c. One (1) medical officer and one (1) aidman will be present in the command trench. One (1) medical service officer and two (2) aidmen will be present in Hood trenches. At least two (2) aidmen will be stationed in the vehicle parking area (coordinates 850000), and observer area (769049).
  - d. Evacuation of casualties will be by the most direct and accessible route to the dispensary at CAMP DESERT ROCK.
  - e. Reserve medical team, with two ambulances, will be on call in the Camp Desert Rock area.
  - f. Air evacuation from the Camp Desert Rock air strip to the Nellis Air Force Base Hospital will be on call.
  - g. Ambulances will return to CAMP DESERT ROCK with each march unit.
4. ADMINISTRATION AND LOGISTICS.
  - a. Uniform.—Field uniform with helmet, gas mask or dust respirator, and Red Cross brassard.
  - b. Equipment.—(1) First-aid Kit to include snake bite kit for each aidman.
    - (2) One litter and two blankets for each trench.
    - (3) Normal equipment and supplies for the aid station.

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Hq, Exercise Desert Rock VII  
CAMP DESERT ROCK (872536), NEVADA  
242300 June 1957

Annex E (Provost Marshal) to Operation Order 6

Map: NEVADA, 1:50,000, TIPPIPAH SPRING, CAME SPRINGS, SPECTOR RANGE, PAPOOSE LAKE, FRENCHMAN LAKE, and MERCURY Sheets.

1. SITUATION.—Omitted.

2. MISSION.—Provost Marshal supports movement of USMC participants, staff and observer groups to observer areas and return.

3. EXECUTION.

a. 293d MP Company provides thirteen (13) TCPs and one parking detail for movement of USMC participants, staff and observer groups to observer area, for movement of vehicles from observer area to the parking area, for movement of vehicles from the parking area to the observer display area, and for movement from display area to CAMP DESERT ROCK. Observer and participant vehicles will be accorded secondary priority in movement on all roads within NTS.

b. Individual tasks for TCPs, Phase I—Pre-Shot Movement.

(1) TCP 1 will direct vehicles to the left onto left fork of MERCURY HIGHWAY at the Y intersection to TCP 2.

(2) TCP 2 will direct vehicles to the left onto unnamed road from MERCURY HIGHWAY to TCP 3.

(3) TCP 3 will direct vehicles to the right onto the trench access road from unnamed road to TCP 4.

(4) TCP 4 will halt vehicles at turn-around area, assist in unloading participants, staff and observer groups, and assist TC in turn-around operations for return of vehicles to parking area.

(5) TCP 3 will direct vehicles to the left onto unnamed road from access road to TCP 2.

(6) TCP 2 will direct vehicles to the right onto MERCURY HIGHWAY from unnamed road to TCP 1.

(7) TCP 1 will direct vehicles to the right onto MERCURY HIGHWAY at the Y intersection to TCP 9 (or alternate TCP 10).

(8) TCP 9 (or alternate TCP 10) will direct vehicles to the left into parking area from MERCURY HIGHWAY.

(9) Parking area detail will assist serial commander in parking vehicles of the serial.

c. Individual tasks for TCP, Phase II—Initial Post Shot Movement.

(1) Upon notification TCP 9 (or alternate TCP 10) will direct undetermined number of serials to the right onto MERCURY HIGHWAY from parking area for return to observer and participant areas after the shot.

(2) TCP 1 will direct vehicles to the left onto the left fork of MERCURY HIGHWAY to TCP 2.

(3) TCP 2 will direct vehicles to the left from MERCURY HIGHWAY onto unnamed road to TCP 3.

(4) TCP 3 will direct vehicles to the right onto trench access road from unnamed road to TCP 4.

HR 35711-8, July  
(5) TCP 4 will halt vehicles and assist in loading participants and observers for movement to display area through TCP 5.

(6) TCP 5 will direct vehicles to the left from north-east terminal of trench access road onto MERCURY HIGHWAY to TCP 6.

(7) TCP 6 will direct vehicles on straight course from MERCURY HIGHWAY onto unnamed road to TCP 7.

(8) TCP 7 will direct vehicles to the left onto display area access road from unnamed road to TCP 8.

(9) TCP 8 will direct vehicles to the left onto U-shaped turn-around road located within the display area for return movement to CAMP DESERT ROCK.

(10) TCP 7 will direct traffic to the right from display area access road onto unnamed road to TCP 6.

(11) TCP 6 will direct vehicles on a straight course from unnamed road onto MERCURY HIGHWAY to TCP 1.

(12) TCP 1 will direct vehicles to the right onto MERCURY HIGHWAY at the Y intersection for return to CAMP DESERT ROCK.

d. Individual tasks for TCPs, Phase III--Secondary Post-Shot Movement.

(1) Upon notification TCP 9 (or alternate TCP 10) will direct remainder of vehicles to the right from parking area onto MERCURY HIGHWAY for movement to participant loading area through TCP 1.

(2) TCP 1 will direct vehicles to the left fork of MERCURY HIGHWAY at the Y intersection to TCP 2.

(3) TCP 2 will direct vehicles to the left from MERCURY HIGHWAY onto unnamed road to TCP 3.

(4) TCP 3 will direct vehicles to participant loading area at grid coordinates 794056 where TCP 4 has been displaced.

(5) TCP 4 will halt vehicles, assist in loading and turn-around operations for movement of participants along unnamed road to display area.

(6) TCP 2 will direct vehicles to the left from unnamed road onto MERCURY HIGHWAY to TCP 6.

(7) TCP 6 will direct vehicles on a straight course onto unnamed road to TCP 7.

(8) TCP 7 will direct vehicles to the left from unnamed road to display area access road to TCP 8.

(9) TCP 8 will direct vehicles from access road to U-shaped road leading through display area and assist in turn around operations for return to CDR.

(10) TCP 7 will direct vehicles to the right from access road onto unnamed road to TCP 6.

(11) TCP 6 will direct vehicles on a straight course from unnamed road onto MERCURY HIGHWAY to TCP 2.

(12) TCP 2 will direct vehicles on a straight course on MERCURY HIGHWAY to TCP 1.

(13) TCP 1 will direct vehicles to the right onto MERCURY HIGHWAY for return to CAMP DESERT ROCK.



Annex E (Provost Marshal) ~~Operation Order 6, Cont'd.~~

e. Evacuation plan (Upon order only).

- (1) TCP 9 will direct vehicles to the right from parking area onto MERCURY HIGHWAY to TCP 1.
- (2) TCP 1 will direct vehicles to the left onto the left fork of MERCURY HIGHWAY to TCP 5.
- (3) TCP 5 will direct vehicles to the left from MERCURY HIGHWAY onto northeastern terminal of trench access road to TCP 4.
- (4) TCP 4 will halt vehicles, assist in loading passengers, and direct vehicles to TCP 3.
- (5) TCP 3 will direct vehicles to the left from trench access road onto unnamed road to TCP 2.
- (6) TCP 2 will direct vehicles to the right from unnamed road onto MERCURY HIGHWAY to TCP 1.
- (7) TCP 1 will direct vehicles to the right onto MERCURY HIGHWAY at the Y intersection for return to CAMP DESERT ROCK.
- (8) South-bound traffic will be afforded primary priority.

f. Tasks for special TCP (movement to and from Observer Area).

- (1) Upon order, TCP 11 will be established at grid coordinates 843995 so as to direct the 5th serial to the left from MERCURY HIGHWAY onto unnamed road which leads to observer area. After the last vehicle has passed, the TCP will displace to grid coordinates 770048 to establish TCP 12 which directs traffic across unnamed intersection. After the last vehicle has passed, TCP 12 will displace to establish TCP 13 at grid coordinates 762028 and assist in turn-around operations.
- (2) After the shot and upon orders, TCP 13 will displace and lead vehicles to grid coordinates 762028 where he will again establish TCP 12 to direct vehicles across unnamed intersection to TCP 11. After the last vehicle has passed, he will displace his TCP to grid coordinates 770048 and establish TCP 11 which will direct vehicles from unnamed road onto MERCURY HIGHWAY to TCP 9 where the convoy will be directed to the display area.

g. Coordinating instructions.

- (1) TCPs 1-4 and 9 (and/or alternate TCP 10) will remain on post until last vehicle has cleared on return to parking area, at which time the TCPs will close behind the convoy.
- (2) Upon all-clear notification, TCPs 9 (and/or alternate TCP 10), 1, 2, 3, and 4 will proceed to designated areas to assist in return of vehicles to trench area.
- (3) Upon notification, TCPs 5, 6, 7, and 8 will proceed to designated areas to direct vehicles to and from display area.
- (4) After last vehicle of the undertermined number of serials has returned from the display area TCPs 8, 7, 6, and 5 will close behind convoy to vehicle parking areas to await further deployment.
- (5) Upon notification, TCPs 1, 2, 3, and 4 will withdraw to parking area for further deployment.
- (6) All TCPs will be posted fifteen (15) minutes prior to the convoy's arrival.

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4. ADMINISTRATION AND LOGISTICS.

- a. Uniform.--Steel helmet, fatigues, and field jacket.
- b. Equipment.--Reflectorized sleeves, batons, markers, flares, pistol belts, canteens, first-aid packets, etc.
- c. Each individual will draw one (1) C ration prior to departing CAMP DESERT ROCK. Water cans (if available) will accompany each vehicle.

5. COMMAND AND SIGNAL.

- a. Guard net MAG-700 will be used to control movement to observer area, display area, and return.
- b. Radio-equipped five (5) passenger sedans or 1/4-ton trucks will be stationed at each TCP and will remain in communications until ordered to leave net, or until fifteen (15) minutes before shot time.
- c. All radios will be turned off and all engines stopped fifteen (15) minutes before shot time and will remain out of service until five (5) minutes after shot.
- d. All participating Military Policemen will synchronize watches prior to movement to site.

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LTR 354.115- Hq CDR 11/11/57

Hq, Exercise Desert Rock VII  
CAMP DESERT ROCK (872536), NEVADA  
231000 June 1957

Annex F (Signal) to Operation Order 6

Map: NEVADA, 1:50,000, TIPPIPAH SPRING, CAKE SPRINGS, SPECTOR RANGE, PAPOOSE LAKE, FRENCHMAN LAKE, and MERCURY Sheets.

1. PURPOSE.—To provide continuous communications before, during, and after the detonation of shot DIABLO on D-day at H-hour.
2. MISSION.—The 232d Signal Company and attached signal teams will provide all Desert Rock communication services in coordination with DOD signal personnel at CAMP MERCURY, NEVADA. Photo dosimetry services will be provided by the Photo Dosimetry Team from Lexington Signal Depot, LEXINGTON, KENTUCKY. The 2d Signal Platoon (Photographic) Team will document pictorially pre-shot, during shot, and post-shot activities.

3. EXECUTION.

a. Radio communications.

- (1) Radio silence from H-15 minutes to H+5 minutes.
- (2) Radio call signs and frequencies.

(a) Avalanche net.—Diablo Trench Area—Avalanche, AN/GRC-9; Control Point 1—Avalanche Alfa, AN/GRC-26; CAMP DESERT ROCK—Avalanche Bravo, AN/GRC-26; Project 50.8—Avalanche Charlie, AN/GRC-19; Vehicle Parking Area—Avalanche Delta, AN/GRC-26; Marine Command Post—Avalanche Echo, AN/GRC-9; Observer Location—Avalanche Foxtrot, AN/GRC-9; Hood Trench Area, Avalanche Golf, AN/GRC-9. Frequency is 3285 KC AM. NCS is station at Diablo Trench Area. Appendix 1, Avalanche Net.

(b) Hilltop Net.—CP-1—Hilltop 61, Motorola-Type Handy-Talkie; Project 50.3—Hilltop 81, Motorola-Type Handy-Talkie; Diablo Trench area—Hilltop 30, AN/VRC-19. NCS is station at CP-1. Appendix 2, Hilltop Net.

b. Wire communications.

- (1) Forward.—Appendix 3, Wire Circuits Forward.

(a) Line 1.—One wire circuit from Room 223, CP-1, to Diablo Trench area (coordinates 807079) to be terminated on field telephones (TA 43's) at each end.

(b) Line 2.—One wire circuit from CP-1, picked up at NEWS NOR terminals, to connect into public-address system, Diablo Trench area, to monitor "COUNT DOWN" and R-hour announcements.

(c) Line 3.—One wire circuit from radio site to CP-1 to radio site at Diablo Trench area to be used to get Avalanche Net on the air and to serve as a back-up for Line 1.

(d) Line 4.—One wire circuit to serve as a spare back-up for all.

(e) Line 5.—One short wire circuit from Room 223, CP-1, to radio van just outside CP-1 to provide communications into Avalanche Net.

(2) Rear.—Appendix 4, Wire Circuits Rear. Observer Location, Diablo Trench area, Marine Command Post, Project 50.3, Project 50.8, Decontamination Station, and the Vehicle Parking area will be connected by wire direct to Desert Rock advance switchboard.

*Unchanged*  
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1 LTR 354.115- Hq CDR 11/11/57

Annex F (Signal) to Operation Order 6, Cont'd.

*For 11/12/57  
HR-384.15 by CDR  
10/1/57*

c. Public-address systems.--Public-address systems will be installed at all locations where observers are assembled: Diablo Trench area, Observer Location, Hood Trench area, and the Vehicle Parking area.

d. Pictorial coverage.--Members of the 2d Signal Platoon (Photographic) Team will take still black and white and color photographs of the detonation of the device from the Observer Location on D-day.

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Appendixes: 1--Avalanche Net  
2--Hilltop Net  
3--Wire Circuits Forward  
4--Wire Circuits Rear

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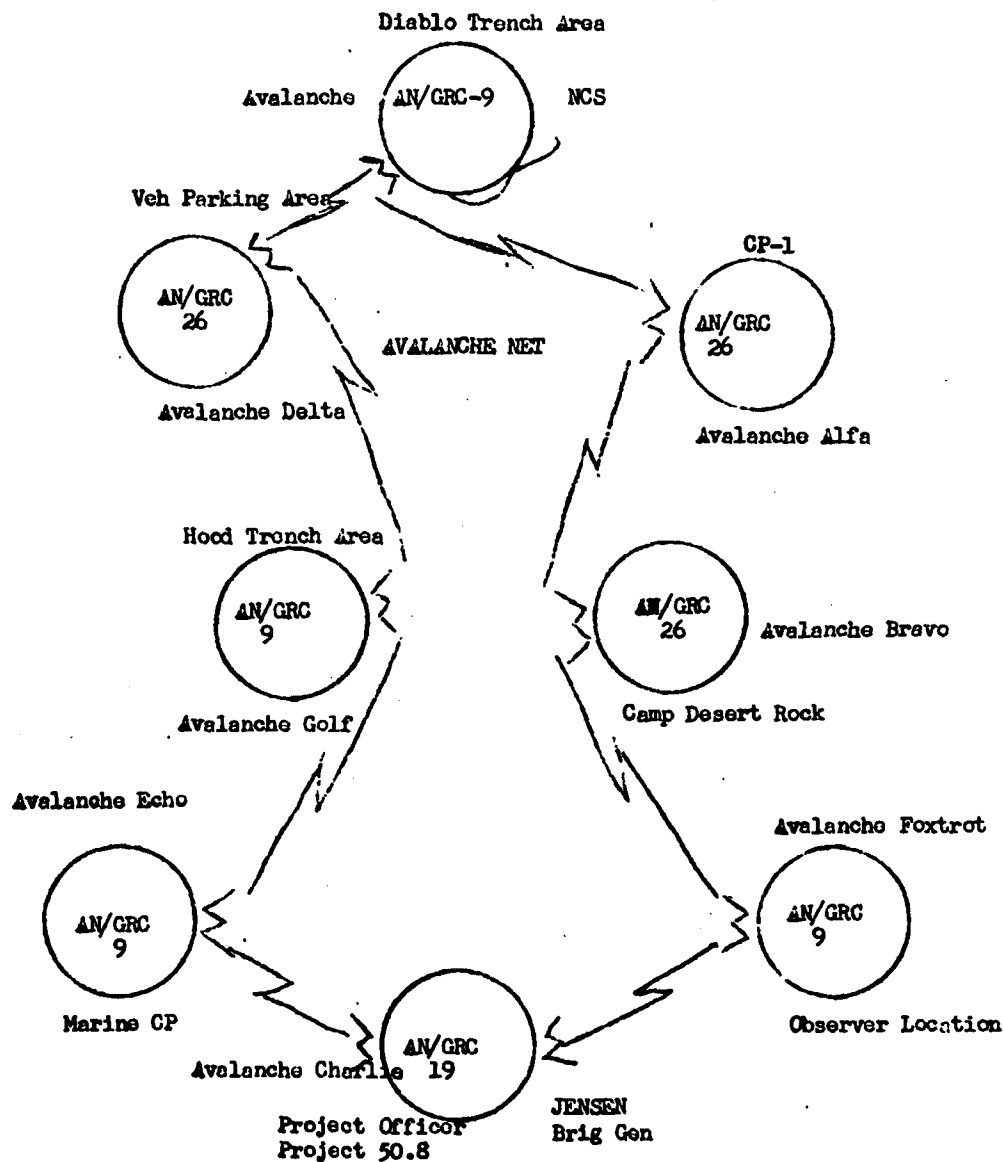
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*HR 384.15 by CDR  
10/1/57*

for L. J. ...  
 LTR 354.15  
 11 June 57  
 HQ, 1st Cavalry Desert Rock VII  
 CAMP DESERT ROCK (872536), NEVADA  
 231000 June 1957

Appendix 1 (Avalanche Net) to Annex F (Signal) to Opn 0 6

Map: NEVADA, 1:50,000, TIPPICAH SPRING, CANE SPRINGS, SPECTOR RANGE, PAPOOSE LAKE, FRENCHMAN LAKE, and MERCURY Sheets.

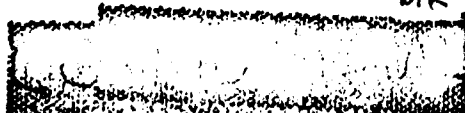


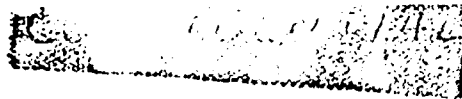
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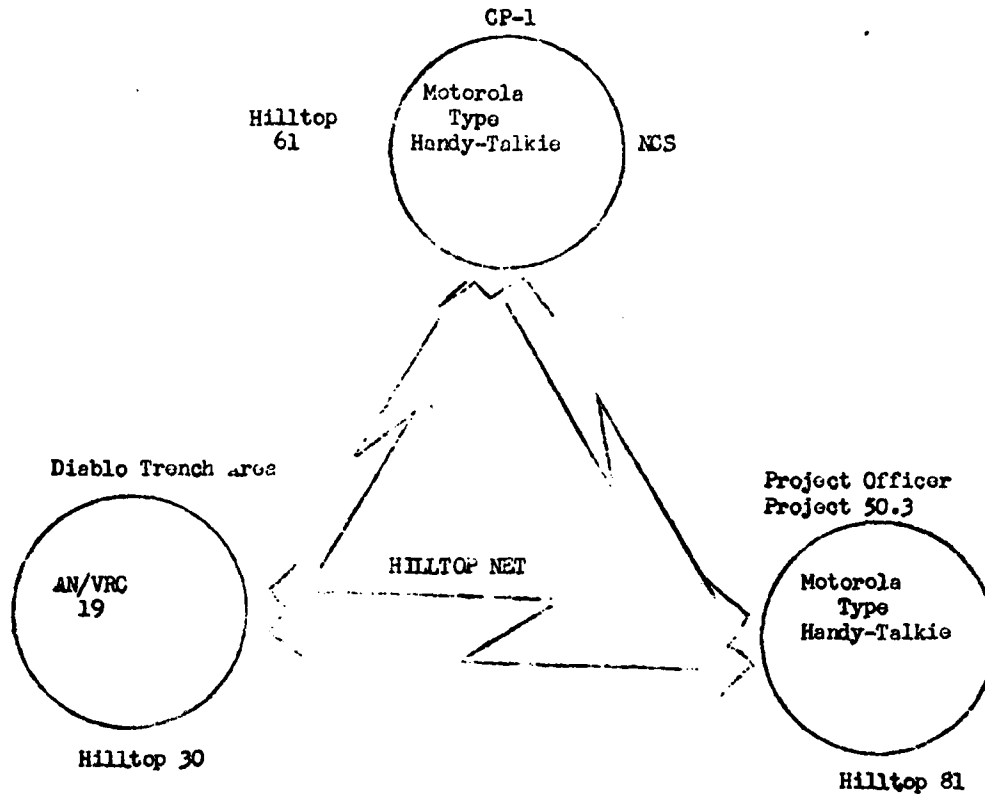


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11 Jul 57

Hq, Exercise Desert Rock VII  
CAMP DESERT ROCK (872536), NEVADA  
231000 June 1957

Appendix 2 (Hilltop Net) to Annex F (Signal) to Opn 06

Map: NEVADA, 1:50,000, TIPPIPAH SPRING, CANE SPRINGS, SPECTOR RANGE, PAPOOSE LAKE, FRENCHMAN LAKE, and MERCURY Sheets.



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Hq, Exercise Desert Rock VII  
 CAMP DESERT ROCK (872536), NEVADA  
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Appendix 3 (Wire Circuits Forward) to Annex F (Signal) to Opn 0 6

Map: NEVADA, 1:50,000, TIPPICAH SPRING, CANE SPRINGS, SPECTON RANGE, PAPOOSE LAKE, FINE CHILAN LAKE, and MERCURY Shoets.

|                       |           |        |                    |
|-----------------------|-----------|--------|--------------------|
| Line 5                | Radio Van | Line 3 |                    |
| CP-1                  |           |        | DI blo Trench Area |
| Tel                   |           |        | Radio              |
| Tel                   |           | Line 1 | Tel                |
| PA                    |           | Line 2 | PA                 |
| Spare                 |           | Line 4 | Spare              |
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| TOWNSHIP 1            |           |        | Brig Gen           |
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Appendix 4 (Wire Circuits Rear) to Annex F (Signal) to Opn O 6

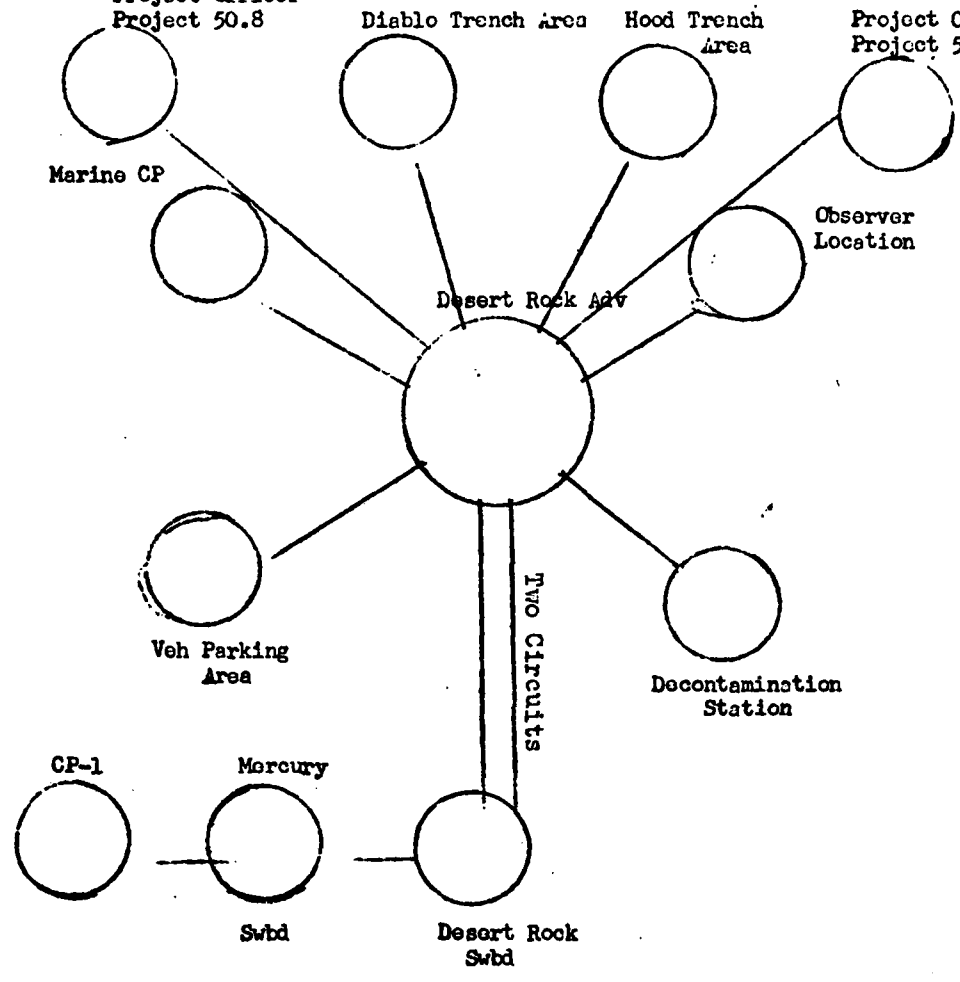
Map: NEVADA, 1:50,000, TIPPICAH SPRING, CANE SPRINGS, SPECTOR RANGE, PAPOOSE LAKE, FRENCHMAN LAKE, and MERCURY Sheets.

Project Officer  
 Project 50.8

Diablo Trench Area

Hood Trench Area

Project Officer  
 Project 50.3



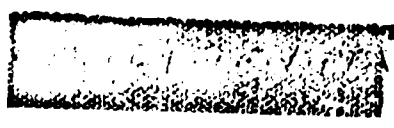
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CAMP DESERT ROCK (872536), NEVADA  
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Annex G (Transportation) to Operation Order 6

Map: NEVADA, 1:50,000, TIPPIPAH SPRING, CANE SPRINGS, SPECTOR RANGE, PAPOOSE LAKE, FRENCHMAN LAKE, and MERCURY Sheets.

1. ORGANIZATION.—Motor vehicle convoy will be organized into five (5) march units under the command of the Motor Officer, CAMP DESERT ROCK. Appendix 1, Convoy Organization.

2. MISSION.—To transport designated personnel from CAMP DESERT ROCK to the forward trench area in the NEVADA TEST SITE and return by motor vehicle.

3. EXECUTION.

a. Movement will be in accordance with schedule listed in Appendix 2, March Tables. Movement of vehicles to the entrucking areas for return movement will be as directed by the tactical commanders and the Control Group Commander.

b. Vehicle parking area will be as indicated in Annex B, Opn Overlay.

c. Coordinating instructions.

(1) March unit commanders will secure approval from the S-3, Exercise Desert Rock VII, or his representative prior to movement to the forward area.

(2) Provost Marshal will provide the necessary route marking and traffic control.

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Appendixes: 1—Convoy Organization  
2—March Tables

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Appendix 1 (Convoy Organization) to Annex G (Transportation) to Operation O 6

VEHICLE ROSTER (DIAELO)

Convoy Commander - Capt Ingram

1st March Unit

|  |                       |
|--|-----------------------|
| A-1 - 1/4-ton truck (Cmdr: Capt Sackett) |                       |
| A-2 - M-52                               | A-8 - M-52            |
| A-3 - M-52                               | A-9 - M-52            |
| A-4 - M-52                               | A-10 - M-52           |
| A-5 - M-52                               | A-11 - M-52           |
| A-6 - M-52                               | A-12 - Ambulance      |
| A-7 - M-52                               | A-13 - M-52 (Bobtail) |

2d March Unit

|  |                       |
|--|-----------------------|
| B-1 - 1/4-ton truck (Cmdr: Lt Waddick) |                       |
| B-2 - M-52                             | B-8 - M-52            |
| B-3 - M-52                             | B-9 - M-52            |
| B-4 - M-52                             | B-10 - M-52           |
| B-5 - M-52                             | B-11 - M-52           |
| B-6 - M-52                             | B-12 - Ambulance      |
| B-7 - M-52                             | B-13 - M-52 (Bobtail) |

3d March Unit

|   |                            |
|---|----------------------------|
| C-1 - 1/4-ton truck (Cmdr: Capt La Cap) |                            |
| C-2 - M-52                              | C-11 - M-52                |
| C-3 - M-52                              | C-12 - M-52                |
| C-4 - M-52                              | C-13 - M-52                |
| C-5 - M-52                              | C-14 - 37-Pass Bus         |
| C-6 - M-52                              | C-15 - 37-Pass Bus         |
| C-7 - M-52                              | C-16 - 37-Pass Bus         |
| C-8 - M-52                              | C-17 - 29-Pass Bus (Empty) |
| C-9 - M-52                              | C-18 - Ambulance           |
| C-10 - M-52                             | C-19 - M-52 (Bobtail)      |

4th March Unit

|  |                                      |
|--|--------------------------------------|
| D-1 - 1/4-ton truck (Cmdr: SFC Walton)       | D-9 - Sedan (Drop off at News Knob)  |
| D-2 - 29-Pass Bus                            | D-10 - Sedan (Drop off at News Knob) |
| D-3 - 29-Pass Bus                            | D-11 - Sedan (Drop off at News Knob) |
| D-4 - 29-Pass Bus                            | D-12 - Sedan (Drop off at News Knob) |
| D-5 - 29-Pass Bus                            | D-13 - Sedan (Drop off at News Knob) |
| D-6 - 29-Pass Bus                            | D-14 - 29-Pass Bus (Empty)           |
| D-7 - 29-Pass Bus                            | D-15 - Ambulance                     |
| D-8 - Sedan (To be dropped off at News Knob) |                                      |

5th March Unit

|  |                                  |
|--|----------------------------------|
| E-1 - 1/4-ton truck (Cmdr: Capt Stanard) | E-8 - 37-Pass Bus                |
| E-2 - 37-Pass Bus                        | E-9 - 37-Pass Bus (Empty)        |
| E-3 - 37-Pass Bus                        | E-10 - Ambulance                 |
| E-4 - 37-Pass Bus                        | E-11 - Wrecker                   |
| E-5 - 37-Pass Bus                        | E-12 - Wrecker                   |
| E-6 - 37-Pass Bus                        | E-13 - Jeep (Trail Off Lt Payno) |
| E-7 - 37-Pass Bus                        |                                  |

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Appendix 2 (March Tables) to Annex G (Transportation) to Opn 06

Map: NEVADA, 1:50,000, TIPPIPAH SPRING, CANE SPRINGS, SPECTOR RANGE, PAPOOSE LAKE, FRENCHMAN LAKE, and MERCURY Sheets.

MARCH TABLE (DIABLO)

1st March Unit

| Rate  | Type | TL | Critical Points   | ETA  | Latest Clearance |
|-------|------|----|-------------------|------|------------------|
| 20MPH | C    | 3  | IP                | 2233 | 2236             |
| 20MPH | C    | 3  | Mer Ck Pt 2       | 2246 | 2249             |
| 35MPH | O    | 3  | Frenchman Flat RJ | 2303 | 2306             |
| 35MPH | O    | 3  | CP                | 2320 | 2323             |
| 35MPH | O    | 3  | Y in Mer Hwy      | 2335 | 2338             |
| 35MPH | O    | 3  | RJ #1             | 2338 | 2341             |
| 25MPH | O    | 3  | RJ #2             | 2342 | 2345             |
| 10MPH | C    | 3  | Arr Trench        | 2353 | 2356             |
| 10MPH | C    | 3  | Depart Trench     | 0050 | 0053             |
| 10MPH | C    | 3  | RJ #2             | 0101 | 0104             |
| 25MPH | O    | 3  | RJ #1             | 0105 | 0108             |
| 35MPH | O    | 3  | Y in Mer Hwy      | 0108 | 0111             |
| 35MPH | O    | 3  | Parking Area      | 0113 | 0116             |

2d March Unit

| Rate  | Type | TL | Critical Points   | ETA  | Latest Clearance |
|-------|------|----|-------------------|------|------------------|
| 20MPH | C    | 3  | IP                | 2246 | 2249             |
| 20MPH | C    | 3  | Mer Ck Pt 2       | 2259 | 2302             |
| 35MPH | O    | 3  | Frenchman Flat RJ | 2316 | 2319             |
| 35MPH | O    | 3  | CP                | 2333 | 2336             |
| 35MPH | O    | 3  | Y in Mer Hwy      | 2348 | 2351             |
| 35MPH | O    | 3  | RJ #1             | 2351 | 2354             |
| 25MPH | O    | 3  | RJ #2             | 2355 | 2358             |
| 10MPH | C    | 3  | Arr Trench        | 0006 | 0009             |
| 10MPH | C    | 3  | Depart Trench     | 0055 | 0058             |
| 10MPH | C    | 3  | RJ #2             | 0106 | 0109             |
| 25MPH | O    | 3  | RJ #1             | 0110 | 0113             |
| 35MPH | O    | 3  | Y in Mer Hwy      | 0113 | 0116             |
| 35MPH | O    | 3  | Parking Area      | 0118 | 0121             |

*Amended.*

*11R 354-16-14 CDR 11 Jul 57*

Appendix 2 (March Tables) to Annex G (Transportation) to Opn O 6, Cont'd.

3d March Unit

| Rate  | Type | TL | Critical Points   | ETA  | Latest Clearance |
|-------|------|----|-------------------|------|------------------|
| 20MPH | C    | 3  | IP                | 2259 | 2302             |
| 20MPH | C    | 3  | Mer Ck Pt 2       | 2312 | 2315             |
| 35MPH | O    | 3  | Frenchman Flat RJ | 2329 | 2332             |
| 35MPH | O    | 3  | CP                | 2346 | 2349             |
| 35MPH | O    | 3  | Y in Mer Hwy      | 0001 | 0004             |
| 35MPH | O    | 3  | RJ #1             | 0004 | 0007             |
| 25MPH | O    | 3  | RJ #2             | 0008 | 0011             |
| 10MPH | C    | 3  | Arr Trench        | 0019 | 0022             |
| 10MPH | C    | 3  | Depart Trench     | 0100 | 0103             |
| 10MPH | C    | 3  | RJ #2             | 0111 | 0114             |
| 25MPH | O    | 3  | RJ #1             | 0115 | 0118             |
| 35MPH | O    | 3  | Y in Mer Hwy      | 0118 | 0121             |
| 35MPH | O    | 3  | Parking Area      | 0123 | 0126             |

4th March Unit

| Rate  | Type | TL | Critical Points   | ETA  | Latest Clearance |
|-------|------|----|-------------------|------|------------------|
| 20MPH | C    | 3  | IP                | 2312 | 2315             |
| 20MPH | C    | 3  | Mer Ck Pt 2       | 2325 | 2328             |
| 35MPH | O    | 3  | Frenchman Flat RJ | 2342 | 2345             |
| 35MPH | O    | 3  | CP                | 2359 | 0002             |
| 35MPH | O    | 3  | Y in Mer Hwy      | 0014 | 0017             |
| 35MPH | O    | 3  | RJ #1             | 0017 | 0020             |
| 25MPH | O    | 3  | RJ #2             | 0021 | 0024             |
| 10MPH | C    | 3  | Arr Trench        | 0032 | 0035             |
| 10MPH | C    | 3  | Depart Trench     | 0105 | 0108             |
| 10MPH | C    | 3  | RJ #2             | 0116 | 0119             |
| 25MPH | O    | 3  | RJ #1             | 0120 | 0123             |
| 35MPH | O    | 3  | Y in Mer Hwy      | 0123 | 0126             |
| 35MPH | O    | 3  | Parking Area      | 0128 | 0131             |

*Handwritten:*  
 14R 304.15 HQ CDR 11 Jul 57

Appendix 2 (March Tables) to Annex G (Transportation) to Opn O 6, Cont'd.

5th March Unit

| <u>Rate</u> | <u>Type</u> | <u>TL</u> | <u>Critical<br/>Points</u> | <u>ETA</u> | <u>Latest<br/>Clearance</u> |
|-------------|-------------|-----------|----------------------------|------------|-----------------------------|
| 20MPH       | C           | 3         | IP                         | 2325       | 2328                        |
| 20MPH       | C           | 3         | Mer Ck Pt 2                | 2338       | 2341                        |
| 35MPH       | O           | 3         | Fronchman Flat RJ          | 2355       | 2358                        |
| 35MPH       | O           | 3         | CP                         | 0012       | 0015                        |
| 35MPH       | O           | 3         | Y in Mer Hwy               | 0027       | 0030                        |
| 35MPH       | O           | 3         | RJ #1                      | 0030       | 0033                        |
| 25MPH       | O           | 3         | RJ #2                      | 0034       | 0037                        |
| 10MPH       | C           | 3         | Arr Trench                 | 0045       | 0048                        |
| 10MPH       | C           | 3         | Depart Trench              | 0110       | 0113                        |
| 10MPH       | C           | 3         | RJ #2                      | 0121       | 0124                        |
| 25MPH       | O           | 3         | RJ #1                      | 0125       | 0128                        |
| 35MPH       | O           | 3         | Y in Mer Hwy               | 0128       | 0131                        |
| 35MPH       | O           | 3         | Parking Area               | 0133       | 0136                        |

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 1-201854.15 kg CDE 11 Jul 57

Hq, Exercise Desert Rock VII  
 CAMP DESERT ROCK (872536), NEVADA  
 241000 June 1957

Annex: H (Project 50.8 Locations) to Opn 0 6

Maps: NEVADA, 1:50,000, TIPPICAH SPRING, CANE SPRINGS, SPECTOR RANGE, PAPOOSE LAKE, FRENCHMAN LAKE, and MERCURY SHEETS;  
 NEVADA, 1:250,000, GOLDFIELD, CALIENTE, BEATTY and LAS VEGAS SHEETS.

| Line | Coordinates | Area<br>(Sq Yds) | No. of<br>Pers   | Net Call Word         | Communications<br>Freq(MC) | Type Mod | Equip                                 | Hrs Opn   |
|------|-------------|------------------|--|-----------------------|----------------------------|----------|---------------------------------------|---|
| C-1  | NL733073    | 160,000          | 20 (H-hr)<br>32 (H <sub>4</sub> to<br>H <sub>4</sub> 98) | Y.M. RM 1             | 37.2                       | FM       | NONE                                  | H <sub>4</sub> 3 to<br>H <sub>4</sub> 8                             |
| C-2  | NL845069    |                  |  | SAME AS C-1 SEE NOTE  |                            |          |                                       |   |
| C-3  | NL701998    | 10,000           | 14   | FOLLOW 1              | 30.2                       | FM       | 1-AN/GMD-1A Radio<br>Direction Finder | H-1 - H <sub>4</sub> 6  |
| C-4  | NL777978    | 12               | 9  | EMPRESS 11            | 35.8                       | FM       | 1-AN/MPQ-10 Radar                     | H-1 - H <sub>4</sub> 2  |
| C-4A | NL795938    |                  |  | SAME AS C-4           |                            |          |                                       |   |
| C-5  | NL794970    | 12               | 9  | EMPRESS 12            | 35.8                       | FM       | 1-AN/MPQ-10 Radar                     | H-1-H <sub>4</sub> 2  |
| C-5A | NL805938    |                  |  | SAME AS C-5           |                            |          |                                       |   |
| C-6  | NL785940    | 100              | 4  | ELDORADO 5            | 30.6                       | FM       | 1-AN/TVS-1 Camera<br>1-BC Scope, M65  | H-1-H <sub>4</sub> 1<br>H-1-H <sub>4</sub> 1                        |
| C-6A | NL769944    | 10,000           | 15   | EMPRESS 1             | 35.8                       | FM       | Btry CP Field Kitchen                 | H-24-H <sub>4</sub> 0   |
| C-7  | NL828899    | 100              | 4  | ELDORADO 4            | 30.6                       | FM       | 1-AN/TVS-1 Camera<br>1-BC Scope, M65  | H-1-H <sub>4</sub> 1<br>H <sub>4</sub> 1 Min<br>to H <sub>4</sub> 1 |
| C-8  | NL868872    | 100              | 4  | ELDORADO 3<br>EMPRESS | 30.6                       | FM       | 1-AN/TVS-1 Camera                     | H-1-H <sub>4</sub> 1  |

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Annex H (Project 50.8 Locations) to Opn 0 6, Cont'd.

| Site  | Coordinates               | Area<br>(Sq Yds) | No. of<br>Pers | Net Call Word                         | Communications<br>Freq (MC) | Type Mod | Equip   | Hrs Opn                   |
|-------|---------------------------|------------------|----------------|---------------------------------------|-----------------------------|----------|---|---------------------------|
| C-9   | NL903872                  | 100              | 4              | ELDORADO 2                            | 30.6                        | FM       | 1-AN/TVS-1 Camera<br>1-BC Scope, M65  | H-1-H/1<br>H/1 min to H/1 |
| C-10  | NL903872                  | 20,000           | 50             | HANNIBAL 2<br>BUCKSAW<br>(Air to Grd) | 4.96<br>309.6               | AM       | 1-M33 Track Radar #2<br>1-M33 Acq Radar #2<br>1-Nike Ajax TTR<br>1-Nike Ajax Acq Radar<br>1-Nike Ajax MTR<br>3-IFF Sets | H-4-H/6                   |
| C-11  | NL755802                  | 10,000           | 14             | WOLLOW 2                              | 30.2                        | FM       | 1-AN/GMD-1A Radio<br>Direction Finder   | H-6-H/6                   |
| C-11A | NL751785                  | 10,000           | 14             | WOLLOW 2                              | 30.2                        | FM       | 1-AN/GMD-1A Radio<br>Direction Finder   | H-6-H/6                   |
| C-12  | NL922634                  | 500              | 15             | HANNIBAL 1                            | 4.96                        | AM       | 1-M33 Track Radar #1<br>1-M33 Acq Radar #1<br>1-AN/TPS-1D Radar #1  | H-4-H/6<br>H-4-H/6        |
| C-13  | *PL735110<br>(Nellis AFB) | 500              | 8              | HANNIBAL 4                            | 4.96                        | AM       | 1-AN/TPS-1D Radar #2<br>1-IFF Set   | H-4-H/4<br>H-4-H/6        |
| C-14  | *PL279202                 | 25               | 2              | ELDORADO 6                            | 30.6                        | FM       | 1-AN/GAS-1 IR Detector<br>1-AN/ASH-4 IR Detector  | H-1-H/1<br>H-1-H/1        |
| C-15  | *PL025620                 | 10,000           | 14             | WOLLOW 3                              | 30.2                        | FM       | 1-AN/GMD-1A Radio<br>Direction Finder   | H-6-H/6                   |
| C-16  | *NL715409                 | 100              | 10             | EMPRESS 21                            | 35.8                        | FM       | 1-GR-8 Sd Ranging Set   | H-2-H/1                   |
| C-17  | *NL625445                 | 500              | 30             | EMPRESS 22                            | 35.8                        | FM       | 3-GR-8 Sd Ranging Sets  | H-2-H/1                   |
| C-18  | *NL535491                 | 100              | 10             | EMPRESS 23                            | 35.8                        | FM       | 1-GR-8 Sd Ranging Set   | H-2-H/1                   |

HR 354.15 M11002 11 puc B7

Noted. 11/11/57  
HR 354.15 M11002 11 puc B7

Annex H (Project 50.8 Locations) to Opn 0 6, Cont'd.

| Site | Coordinates | Area<br>(Sq Yds) | No. of<br>Pers | Net Call Word | Communications<br>Freq (MC) | Type Mod | Equip                         | Hrs Oj    |
|------|-------------|------------------|----------------|---------------|-----------------------------|----------|-------------------------------|-----------|
| C-19 | NL885606    | 100              | 2              | EMPRESS 3     | 35.8                        | FM       | NONE                          | H-2-H.    |
| C-20 | NL758794    | 500              | 30             | EMPRESS 13    | 35.8                        | FM       | 1-AN/MPQ-21<br>adar<br>C Band | H-1-H.    |
|      |             |                  |                | EMPRESS 14    | 35.8                        | FM       | 1-AN/MPQ-21<br>adar<br>S Band | H-1-H.    |
| C-21 | NL769944    | 10,000           | 15             | EMPRESS 1     | 35.8                        | FM       | Field Kitchen Ltry CP         | H-24-L 40 |

\*Scale 1:250,000

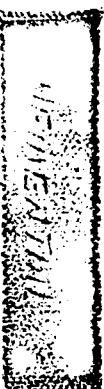
Note: C-2 is alternate for C-1.

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Annex G (Emergency Evacuation Plan) to Operation Order 6, Cont'd.

(5) Code designation to implement this plan is CONDITION THUNDER.

(6) CONDITION THUNDER will be transmitted by the most readily available means and will be authenticated by the Post Rad-Safe Officer.

(7) CONDITION THUNDER will be announced in the observer area by seven short siren blasts with 30-second intervals between groups. All means of communications will be used to reach all Desert Rock personnel.

(8) Windows in vehicles will be closed when practical.

(9) Individuals will refrain from eating or smoking during the evacuation.

### 3. MEDICAL EVACUATION.

a. Aid station will treat casualties, if any, to the limit of its capability. When observer area is evacuated, aid station will move with the Control Group.

b. Ambulances will evacuate casualties to the Hospital Unit at CAMP DESERT ROCK. Ambulances will have road priority.

c. Route of evacuation for casualties will be the most direct route available.

4. COMMAND.—Forward CP, Exercise Desert Rock VII, will control the evacuation from such location as affords the best control, but will not evacuate the forward area until all Desert Rock groups are accounted for. New CP location will be announced prior to movement in each case.

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Exercise Desert Rock VII  
CAMP DESERT ROCK (872536), NEVADA  
231000 June 1957

Annex J (Distribution List) to Operation Order 6

| UNITS   | COPY NR |
|---|---------|
| CG, US CONARC, Attn: G3                           | 1-4     |
| CG, Sixth US Army, Attn: G3                       | 5-6     |
| CG, Sixth US Army, Attn: PIO                      | 7       |
| Comdr, Fld Comd, AFSWP, Mercury                   | 8-13    |
| CG, Camp Irwin, Attn: G3                          | 14-16   |
| Executive Officer, Camp Desert Rock               | 17      |
| S-1, Camp Desert Rock                             | 18      |
| S-2, Camp Desert Rock                             | 19      |
| S-3, Camp Desert Rock                             | 20-24   |
| S-4, Camp Desert Rock                             | 25      |
| Hq Comdt, Camp Desert Rock                        | 26      |
| Sig Off, Camp Desert Rock                         | 27      |
| FM, Camp Desert Rock                              | 28      |
| Chemical Off, Camp Desert Rock                    | 29      |
| Engr, Camp Desert Rock                            | 30      |
| PIO, Camp Desert Rock                             | 31      |
| Chief, Instructor Group Section, Camp Desert Rock | 32      |
| CO, 26th TC Bn                                    | 33      |
| CO, Hosp Unit, 8th Field Hosp                     | 34      |
| CO, 232d Sig Co                                   | 35      |
| CO, 50th Chemical Plat                            | 36      |
| Post Aviation Off                                 | 37      |
| CG, 4th MCPAEB, Attn: G3                          | 38-42   |
| Project Off, Project 50.3                         | 43      |
| Project Off, Project 50.8                         | 44      |
| Project Off, Project 53.4                         | 45      |
| AG File Copy                                      | 46      |

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